MILE SON O	ATA S	BASED ON MOT FINAL REPORT - FEB 36	46.	REPORT NO. RP 004	(A)
	PROJECT OF		MUDRAM SHIP CHANNEL PROJECT – DPR ATION OF EIA	PROJECT NO. C104120	2
	PRENIATVE	BORELOG	- 1 AT ADAM'S BRIDGE	DATE: 18-02-05 MADE: SR	
	R.Dwg/R	THAM MINE	L&T-RAMBØLL CONSULTING ENGINEERS LIMITED	FIDOS11	REV:

Bore	Loc	ation			Diameter of Borehole			Date of			Date of				
Hole No	Lati	tude Longitude		Boret	nole		Commencement			COL	completion				
1	9"00	7"16.4"N	79°29'31.4"E	100m	m			1-2-05			11-2-05				
Depth	epth Visual soil description De					Турс		No	Pon	etrati	ют (с	m)			
	-								15	30	45	60	N		
0.0-	1.5	Grey fin	e sand		1.5	SPT			2	4	5	-	9		
1.5 - 3	.0	Grey fin			3.0	SPT			3	6	6	-	12		
3.0 - 4			y fine sand		4.5	SPT			5	6	7		13		
4.5 - 6	.0	Grey silt	y fine sand		6.0	SPT			9	16	25	-	41		
6.0 - 7.	_5	Greyish sand	ash coloured silt	y fine	7.5	SPT			12	20	31		51		
7.5 – 9	.0		ly clay with piece us sand stone	es of	9.0	SPT			16	10	9	-33	19		
9.0 – 1	0.5		y clay with piece us sand stone	es of	10.5	SPT			10	12	12	7	24		
10.5 –	12.0		pieces of rocks a us sand stone	and	12.0	SPT			For 6cm penetration blows rock from 12r depth below ground level bore hole terminated at 12 m				2m		
									15	30	4.5	60	N		
12.0 -	13.5	Silty fine	sand		13.5	SPT			5	5	8	2	13		
13.5 -	15.0		d with white colo mes (may be con		15.0	SPT			21	30	56		86		
15.0 -	16.5	And the second second	y sand with one o		16.5	SPT			20	40	46	-	86		
16.5 -	18.0	Fine silty colour)	y sand (Greyish i	n	18.0	SPT			15 For 22cm penetration				For 22cm penetration		100
18.0 -	19.5	Silty fine	sand		18.0	SPT			9	12	16		28		
19.5 -	21.0	Silty fine	sand		21.0	SPT			18	19	21		40		

BITS SOL OUT	N S BASED ON HOT FINAL REPORT- FEB JOS	s.	REPORT NO. RP 004	(A)
A STATE OF THE PARTY OF THE PAR		MUDRAM SHIP CHANNEL PROJECT - DPR ATION OF EIA	PROJECT NO. C 104120	2
1	BORELOG	- 1 AT ADAM'S BRIDGE	DATE: 18-02-05 MADE: SR	
	G HORINGE	L&T-RAMBØLL CONSULTING ENGINEERS LIMITED	FISURE NO. FD0511	REV:

Bore Hole No	Loc	ation			eter of		Date of			Date of completion					
	Lati	tude	ude Longitude		hole		Comme	ncement	con	mpiet	Hon.				
2	7'07	"29.50"N	79°29'15.20"E	100m	m 10-2-			0-2-05			11-2-05				
Depth	GL	Visual so	oil description		Depth	Туре	No	Pen	etrat	ion (c	m)				
								15	30	45	60	N			
0.0 - 3	1.5	Fine son	d		1.5	SPT		14	15	21	-	36			
1.5 - 3	.0	Grey silt	y fine sand		3.0	SPT		12	18	28	-	46			
3.0 - 4	.5	Grey silt	y fine sand	4.5	SPT		14	23	31	-	54				
45 - 6	.0		y fine sand		6.0	SPT		18	24	32	-	56			
calcareous?			our silty fine sar	ıd	7.5	SPT		22	26	33		59			
			Grey colour silty fine sand calcareous?			SPT		20	25	29	-	54			
9.0 - 1	0.5		y clay with piecus sand stone	es of	10.5	SPT		10	7	9	7.	16			
10.5 -	12.0		y clay with pice us sand stone	es of	12.0	SPT		8	10	1.1	-	21			
12.0 -	13.0		f rocks and pebb us sand stones	les to	13.0	DES		con	2	ne rec					
13.0 -	13.5	Coral be colour)	d (White to grey	in	13.5	Core		1	11 -	Im d	lepth.				
13.5	14.5	Silty fine colour)	e sand (grey to a	sh	14.5	SPT		13	16	18	-	34			
14.5 -	16.0	Silty fine	c sand (Ash colu	ur)	16.0	SPT		15	19	21	*	40			
16.0 -		depth fro 34cm.	ne/coral bed at I	-			i from G								
17.0 —		stone	d with coral bed					ebations							
18.0 -	19.5	stone pic		/ sand	21.32 p	icees a	a 1.5m d	epth							
19.5 -	21.0	Silty fine	e sand		21.0	SPT		14	23	26	-	49			

MODE) SOR DATA	S BASED ON H	BOT FRAM, REPORT - PER 200		REPORT NO. RP 004	(A)
STORE STORE	PROJECT		MUDRAM SHIP CHANNEL PROJECT – DPR ATION OF EIA	PROJECT NO. C 10 4 12 0	2
ORTSVA PORTSVA PORTSVA	ШЕ	BORELOG	- 2 AT ADAM'S BRIDGE	DATE: 18-02-05 MADE: SR	
PATH LA		Ramiscup	L&T-RAMBØLL CONSULTING ENGINEERS LIMITED	FIGURE NO. FD0512	REV.

ocation				Diameter :	oř.		Date	Contract of the Contract of th		Date of completion						
Hole Latit		hude Longitude		В	- Borehole			Commencement								
7.1	977.8	75'N		79°29.069"E	100mm				7-2-	0.5	8-2-05					
4 9°7.875°N 79°29.069"E Depth below Visual soil descri				tion	Deg	oth	Тур	e	No	1 13	Penet	ratio	n (em)		
											15	30	45	60	N	
	1.5	Medium to fine grained office grey sand			y 1.	5	SPT			3	6	10		16		
	.0	Medium to fine grained calcareous sand			us 3/	0	SPI			5	9	13	-	22		
3.0 - 4.5			Medium to coarse sand with shell pieces somewhat calcarcous				5	SPT	•		8	14	21	-	35	
4.5 - 6.0			ium	to fine sand wi	ith minor	r 6.	0	SPT			12	2.0	29		49	
Medium to fine sand wit						SPT			12	22	35	-3	57			
	.0	Me		m to fine grains		9.		SPT			16	30	46		70	
	0.5	calca	requ	rey clay to silt was sand stones w	with shell	ls	.5	SPT			3	4	5		9	
0	2.0	Oliv	re gr	rey clay to silt was sand stones v	with hard	i i: Is		SPT			6	5	5		10	
5	3.5	Sem with	i pla shell	stic silty calcar l and pieces of s	eous clar sand stor	ne		SPT			11	13	13		24	
U	5.0	De	nsc	calcareous silty sandy silt	sand to	13		SPT			16	28	27		5:	
5	6.5			coloured silty		1-6		SPT		170	14	18	20		31	
0	8.0	Gre	y ca	alcareous silty f	ine sand			SPT						100	4	
5	9.5			aleareous silty f				SPT						-	5	
0	1.0	Grey calcareous silty fine sand						Γ	1	24	30	36		60		
0	8.0 9.5	Gre Gre	y ca y ca y ca	alcareous silty f	ine sand fine sand fine sand	l 19	.0	- 5	sp"		SPT	SPT 19	SPT 19 24	SPT 19 24 26	SPT 19 24 26 -	

MODE) SON DATA	IS BASED ON H	IOT FRAIL REPORT- FEB 200		REPORT NO. RP 004	(A)
100 per 100 pe	PROJECT		MUDRAM SHIP CHANNEL PROJECT - DPR	PROJECT NO. C 10 4 12 0	2
20 10 10 10 10 10 10 10 10 10 10 10 10 10	TITLE	BORELOG	- 4 AT ADAM'S BRIDGE	DATE: 18-02-05 MADE: SR	
PATR LA	0	Remission	LO I -KAMIDISEL	FIGURE NO. FD0513	REV.

Bore Hole No	Loc	ation tude	Longitude	Depth Bore I drilled	sole	Depth of water column	Co	te of mmencement	00	ate of		
11	79"2	6146.00TN	09"09"03.4"E	24m		-2.5m	5-2-05		8-	2-05		
Depth below		Visual soil	description		Depth	Type	No	Penetration (em)			
								15	30	45	60	N
0 - 1.5			lium calcarcous s		1.50	SPT		9	11	.14	-2	25
1.5-3	3.0	Medium to with dark n	coarse calcareous inerals	s sand	3.00	SPT		13	23	27		50
3.0 4.5		Medium to	fine calcareous s	3.00	UDS (slipped) SPT		11	13	17	-	30	
4.5 – 6	0.0	Medium gra minor sand	ained grey sand w rock pieces	rith	6.00	SPT		12	16	25		41
6.0 - 7.5			calcareous sand ollapsed and re-di	rilling	7.5	SPT		16	20	22		42
7.5 - 9	5-9.0 Calcareous shells		Calcareous fine sand with minur shells			SPT		18	2.0	2.5		45
9.0 - 1		Grey coloured calcareous sand with shell pieces along with rounded pieces of calcareous rock		10.5	SPT		5	4	5		9	
10.5 - 12.5		of calcareo	Olive grev sticky clay with pieces of calcareous sand stones, rounded to pebbly less than 8 mm dia									
12.5 - 13.5			reous mari? With round		13.5	SPT		5	5	6		11
13.5 - 15.0		calcareous :	thit grey to cement grey careous sand with pieces of careous sand stones		15.00	SPT		10	15	20	•	33
15.0 - 16.5		Calcareous calcareous	clayey sand with and stones		16.5	SPT		12	16	20		36
16.5 - 18.0			dish, plastic, stick silt to fine sand	çy	18.0	SPT		20	2.5	30		55
18.0 - 19.5			semi plastic stiff t reous clayey slit	lo	19.5	SPT		29	50	50	-	100
19,5 -	21.0	sticky calca more plastic		but	21.0	SPT		60	50	50		100
21.0 - 22.5			red somewhat de reous olayey silt	ense	22.5	SPT		18	2:0	25		45
22.5 – 24.0		Light coloured dense sticky calcareous clayey silt The borehole was closed at 24.00m below GL on 8-2-05			24.0	SPT		20	22	30	-	52

MOTE SON BATA	S BASSO ON K	BOT PROUL REPORT - PER 200		REPORT NO. RP 004	(A)
A STATE OF THE PARTY OF THE PAR	PROJECT		MUDRAM SHIP CHANNEL PROJECT – DPR TION OF EIA	PROJECT NO. C 10 4 12 0	2
Service of the servic	TITLE	BORELOG	- 11 AT ADAM'S BRIDGE	DATE: 18-02-05 MADE: SR	
A HIVE	•	Rembler	L&T-RAMBØLL CONSULTING ENGINEERS LIMITED	FD0514	REV.